

ACTA PHYSIOLOGICA SCANDINAVICA

Editorial Board

F. Buchthal
København

K. Hartiala
Turku

R. Nicolaysen
Oslo

Y. Zotterman
Stockholm

U. S. von Euler
(Editor) Stockholm

Vol. 81. INDEX

Fasc. 1. (January 1971)

Temperature Regulation during Continuous and Intermittent Exercise in Man. By B. EKBLOM, C. J. GREENLEAF, J. E. GREENLEAF and L. HERMANSEN	1
Relaxing and Metabolic Actions of ACTH in Rabbit Colon. By R. ANDERSSON, E. MOHME-LUNDHOLM, N. SVEDMYR and N. VAMOS	11
Conjoint Action of Sodium and Angiotensin on Brain Mechanisms Controlling Water and Salt Balances. By B. ANDERSSON and L. ERIKSSON	18
The Diurnal Rhythm of Adrenaline Secretion in Subjects with Different Working Habits. By P. PÁTKAI	30
Interindividual Differences in Diurnal Variations in Alertness, Performance, and Adrenaline Excretion. By P. PÁTKAI	35
Effect of Prolonged Chloralose Anesthesia on Acid-Base Balance and Cardiovascular Functions in Dogs. By K.-E. ARFORS, G. ARTURSON and P. MALMBERG	47
Transient Dynamics of Ventilation and Heart Rate with Step Changes in Work Load from Different Load Levels. By S. BROMAN and O. WIGERTZ	54
Uptake of Serotonin in Blood Platelets <i>in vitro</i> . I. The Effects of Chloride. By O. LINGJAERDE Jr.	75
Cerebellar Suppression of the Autonomic Components of the Defence Reaction. By B. LILSANDER and J. MARTNER	84
Studies of Blood-pressure Regulation III. Dynamics of Arterial Blood Pressure on Carotid-sinus Nerve Stimulation. By P. Å. ÖBERG and U. SJÖSTRAND	96
The Effect of Lactate in Canine Subcutaneous Adipose Tissue <i>in Situ</i> . By B. B. FREDHOLM	110
Glucose Uptake at Rest and during Contraction in Isolated Dog Skeletal Muscle. By J. C. COSTIN, B. SALTIN, N. S. SKINNER Jr. and G. VASTAGH	124

Short Communications:

- Is the Adaptation of the Muscle Spindle of Ionic Origin? By I. HUSMARK and D. OTTOSON 138
 A Method to Fill Glass Microelectrodes by Local Heating. By T. ZEUTHEN 141
 Ontogenetic Development of Cholinergic Receptor Function in Guinea Pig Ileum. By
 L. O. BORÉUS and D. M. MCMURPHY 143

Fasc. 2. (February 1971)

- Cyclic AMP as a Mediator of Hormonal Metabolic Effects in Brown Adipose Tissue. By
 A. BEVIZ, L. LUNDHOLM and E. MOHME-LUNDHOLM 145
 Blood Flow in the Calf Muscle of Man during Heavy Rhythmic Exercise. B. FOLKOW,
 U. HAGLUND, M. JODAL and O. LUNDGREN 157
 Electrolytes in Leg and Neck Muscles of Rats during Ontogeny. By J. BERGSTRÖM, J.
 BOËTHIUS and E. HULTMAN 164
 Intracellular Distribution of Phospholipases in the Rat Pancreas. By B. ARNESJÖ 170
 Reactivity to Noradrenaline of Aortic Strips and Portal Veins from Spontaneously Hyper-
 tensive and Normotensive Rats. By M. HALLBÄCK, Y. LUNDGREN and L. WEISS 176
 The Time Course of the Active State in Relation to Sarcomere Length and Movement
 Studied in Single Skeletal Muscle Fibres of the Frog. By K. A. P. EDMAN and A. KIESS-
 LING 182
 The Effect of Cooling on Liver Function in Cats. By J. A. LARSEN 197
 Heparin-Induced Increase of Diamine Oxidase in Lymph and Blood Plasma of Rat,
 Guinea-Pig and Rabbit. By R. HANSSON and H. THYSELL 208
 Ventilation and Heart-Rate Responses to Ramp-Function Changes in Work Load. By
 H. KARLSSON and H. WIGERTZ 215
 Changes in the Electrochemical Potential Difference for HCO_3^- between Blood and
 Cerebrospinal Fluid and in Cerebrospinal Fluid Lactate Concentration during Iso-
 carbonic Hypoxia. By A. H. MINES and S. C. SØRENSEN 225
 The Effect of Iso-Carbonic Metabolic Acidosis in Blood on $[\text{H}^+]$ and $[\text{HCO}_3^-]$ in CFS with
 Deductions about the Regulation of an Active Transport of $\text{H}^+/\text{HCO}_3^-$ between Blood
 and CSF. By A. H. MINES, C. G. MORRIL and S. C. SØRENSEN 234
 Vascular and Lipolytic Responses in Canine Subcutaneous Adipose Tissue Following
 Infusion of Catecholamines. By K. BALLARD, C. A. COBB and S. ROSELL 246
 The Relative Contributions of Sodium and Chloride Ions to the Conductance of Toad
 Skin in Relation to Shedding of the *Stratum Corneum*. By E. HVIID LARSEN 254
 Whole-Blood Viscosity, Hematocrit and Plasma Protein in Normal Subjects at Different
 Ages. By J. DITZEL and J. KAMPMANN 264
 Elimination of ^{125}I -Trypsin α -Macroglobulin Complexes from Blood by Reticuloendo-
 thelial Cells in Dog. By K. OHLSSON 269
 On the Innervation of the Slowly Adapting Stretch Receptor of the Crayfish' Abdomen.
 An Electrophysiological Approach. By J. K. S. JANSEN, A. NjÅ, K. ORMSTAD and L.
 WALLØE 273

Short Communication:

- Quantitative Estimation of Secretion and Reuptake of Adrenergic Transmitter in the
 Rabbit Heart. By L. STJÄRNE and Å. WENNEMALM 286

Fasc. 3. (March 1971)

- Metabolism of ^{14}C -Histamine in Domestic Animals. II. Cow and Sheep. By K. A. ELIAS-
 SEN 289

Metabolism of ^{14}C -Histamine in Domestic Animals. III. Horse and Pig. By K. A. ELIASSEN	300
The Effect of Combined Respiratory and Nonrespiratory Alkalosis on Energy Metabolites and Acid-Base Parameters in the Rat Brain. By L. GRANHOLM and B. K. SIESJÖ	307
Comparative Effects of Angiotensin and Noradrenaline on Resistance, Capacitance, and Precapillary Sphincter Vessels in Cat Skeletal Muscle. By J. JÄRHULT	315
Intravascular Concentrations of Calcium and Magnesium Ions and Edema Formation in Isolated Lungs. By G. NICOLAYSEN	325
Changes in the Action Potential and Contraction of Isolated Frog Muscle after Repetitive Stimulation. By J. HANSON and A. PERSSON	340
Failure of High P_{CO_2} in the Duodenal Bulb to Inhibit Gastric Acid Secretion. By G. NILSSON and S. J. RUNE	349
The Low-Frequency Electrical Impedance of the Isolated Frog Skin. By P. G. SMITH ..	355
Histamine Release from Rat Peritoneal Mast Cells and Cat Paws Induced by Some Neuro-muscular Blocking Agents. By M. FRISK-HOLMBERG and K. STRANDBERG	367
Effects of Vasoconstriction on Blood Viscosity <i>in Vivo</i> . By P. BAECKSTRÖM, B. FOLKOW, E. KENDRICK, B. LÖFVING and B. ÖBERG	376
The Effect of High Oxygen Tensions on Ventilation during Severe Exercise. By S. KOZ-LOWSKI, B. RASMUSSEN and W. G. WILKOFF	385
The Distribution of 15-Hydroxy Prostaglandin Dehydrogenase and Prostaglandin- Δ^1 - 13 -Reductase in Tissues of the Swine. By E. ÄNGGÅRD, C. LARSSON and B. SAMUELS-SON	396
Effects of Variations in the Extracellular Osmolality on the Ionic Permeability of Vascu-lar Smooth Muscle. By O. JONSSON	405

Short Communications:

Motor Unit Activity and Stiffness of the Contracting Muscle Fibres in the Tonic Stretch Reflex. By S. GRILLNER and M. UDO	422
Effect of Bleeding on Plasma Sulfation Activity in Rats. By H. BOSTRÖM, L. BOŽOVIĆ and M. BOŽOVIĆ	425
Morphological Identification of Renshaw Cells. By E. JANKOWSKA and S. LINDSTRÖM ...	428
On the Nature of the Synthesis of Adenosine Triphosphate at the Surface of Intact Tu-mour Cells. By G. ÅGREN and G. RONQUIST	431

Fasc. 4. (April 1971)

Histochemical Demonstration of Carbonic Anhydrase Activity in the Rat Kidney. By G. LÖNNERHOLM	433
Efflux of Prostaglandins in Lymph from Scalded Tissue. By E. ÄNGGÅRD and C.-E. JON-SON	440
The Effect of Sympathetic Nerve Stimulation on Pulmonary Blood Volume in Isolated Perfused Lungs. By P. AARSETH, G. NICOLAYSEN and B. A. WAALER	448
Pyruvate and Lactate Ratios in Muscle Tissue and Blood during Exercise in Man. By J. KARLSSON	455
Loci of Neurogenic and Metabolic Effects on Precapillary Vessels of Skeletal Muscle. By B. FOLKOW, R. R. SONNENSCHNIG and D. L. WRIGHT	459
Inhibitory Control of the Abdominal Stretch Receptors of the Crayfish. III. The Acces-sory Reflex as a Recurrent Inhibitory Feed-back. By J. K. S. JANSEN, A. NJÅ, K. ORM-STAD and L. WALLØE	472

Inhibitory Control of the Abdominal Stretch Receptors of the Crayfish. IV. Quantitative Description of the Central Coupling of the Accessory Reflex. By J. K. S. JANSEN, A. NjÅ, K. ORMSTAD and L. WALLØE	484
Electrophysiological and Morphological Development of Leg and Neck Muscles in the Rat. By J. BOËTHIUS	492
The Effect of Deep Halothane Hypotension upon Labile Phosphates and upon Extra- and Intracellular Lactate and Pyruvate Concentrations in the Rat Brain. By L. NILSSON and B. K. SIESJÖ	508
Increase in Capillary Filtration Rate Resulting from Reduction in the Intravascular Calcium Ion-Concentration. By G. NICOLAYSEN	517
Effects of Variations in the Extracellular Osmolality on the Permeability to Nonelectrolytes of Vascular Smooth Muscle. By O. JONSSON	528
Unit Responses in the Rat Cochlear Nucleus to Tones of Rapidly Varying Frequency and Amplitude. By A. R. MØLLER	540
Action Potential Generation in Denervated Rat Skeletal Muscle. I. Quantitative Aspects. By P. REDFERN and S. THESLEFF	557

Short Communications:

Biochemistry of Catecholamine Storage: Some Similarities between Whole Sympathetic Nerve Trunk Vesicles and the Membranes of Adrenomedullary Vesicles. By K. B. HELLE, H. LAGERCRANTZ and L. STJÄRNE	565
A Mucosaccharide-Protein Complex with Amine Binding Properties in Rat Trombocytes. By C.-H. ÅBORG and B. UVNÅS	568
Recruitment in the Tonic Stretch Reflex. By S. GRILLNER and M. UDO	571
Biphasic Mechanical Response of the Isolated Vas Deferens to Nerve Stimulation. By G. SWEDIN	574

Supplements

Supplementum 355. Movements of Sodium and Potassium Ions and Their Tracers in Propranolol-Treated Red Cells and Diaphragm Muscle. By V. MANNINEN.
Supplementum 356. Pharmacological Properties of Dehydroascorbic Acid and Ascorbic Acid. By S. E. SJÖSTRAND.
Supplementum 357. Axoplasmic Flow in Adrenergic Neurons. By A. DAHLSTRÖM.
Supplementum 358. Lactate and Phosphagen Concentrations in Working Muscle of Man. By J. KARLSSON.
Supplementum 359. Extracellular Osmolality and Vascular Smooth Muscle Activity. By O. JONSSON.
Supplementum 360. Catechol- and Indolamines in Some Endocrine Cell Systems. By H. TjÄLVE.

INDEX AUCTORUM

84	AARSETH, P., G. NICOLAYSEN and B. A. WAALER, Nerve Stimulation and Lung Blood Volume	448
92	ÅBORG, C.-H. and B. UVNÄS, Amine Binding Complex	568
508	ÅGREN, G. and G. RONQUIST, ATP Synthesis in Tumour Cells	431
517	ANDERSSON, B. and L. ERIKSSON, Central NA ⁺ -Angiotensin Synergism	18
528	ANDERSSON, R., E. MOHME-LUNDHOLM, N. SVEDMYR and N. VAMOS, Relaxing and Metabolic Actions of ACTH in Rabbit Colon	11
540	ÄNGGÅRD, E. and C.-E. JONSSON, Prostaglandins in Lymph	440
557	ÄNGGÅRD, E., C. LARSSON and B. SAMUELSSON, Prostaglandin Metabolism in Swine	396
	ARFORS, K.-E., G. ARTURSON and P. MALMBERG, Chloralose Anesthesia in Dogs	47
	ARNESJÖ, B., Phospholipase in Pancreas	170
	ARTURSON, G., K.-E. ARFORS and P. MALMBERG, Chloralose Anesthesia in Dogs	47
	BAECKSTRÖM, P., B. FOLKOW, E. KENDRICK, B. LÖFVING and B. ÖBERG, Vasoconstriction and Blood Viscosity	376
	BALLARD, K., C. A. COBB and S. ROSELL, Lipolysis in Adipose Tissue	246
	BERGSTRÖM, J., J. BOËTHIUS and E. HULTMAN, Muscle Electrolytes during Ontogeny	164
	BEVIZ, A., L. LUNDHOLM and E. MOHME-LUNDHOLM, Cyclic AMP in Brown Adipose Tissue	145
565	BOËTHIUS, J., Development in Rat Muscles	492
568	BOËTHIUS, J., J. BERGSTRÖM and E. HULTMAN, Muscle Electrolytes during Ontogeny	164
571	BORÉUS, L. O. and D. M. MCMURPHY, Ontogenesis of Cholinergic Receptor	143
574	BOSTRÖM, H., L. BOŽOVIĆ and M. BOŽOVIĆ, Bleeding on Plasma Sulfation	425
	BOŽOVIĆ, L., H. BOSTRÖM and M. BOŽOVIĆ, Bleeding on Plasma Sulfation	425
	BOŽOVIĆ, M., H. BOSTRÖM and L. BOŽOVIĆ, Bleeding on Plasma Sulfation	425
	BROMAN, S. and O. WIGERTZ, Ventilation and Heart-Rate Transients	54
	COBB, C. A., K. BALLARD and S. ROSELL, Lipolysis in Adipose Tissue	246
	COSTIN, J. C., B. SALTIN, N. S. SKINNER, Jr., and G. VASTAGH, Carbohydrate Metabolism in Dog Muscle	124
	DITZEL, J. and J. KAMPMANN, Blood Viscosity in Normal Subjects	264
	EDMAN, K. A. P. and A. KIESSLING, Time Course of Active State in Muscle	182
	EKBLOM, B., C. J. GREENLEAF, J. E. GREENLEAF and L. HERMANSEN, Body Temperature during Intermittent Exercise	1
	ELIASSEN, K. A., ¹⁴ C-Histamine Metabolism in Cow and Sheep	289
	ELIASSEN, K. A., ¹⁴ C-Histamine Metabolism in Horse and Pig	300
	ERIKSSON, L. and B. ANDERSSON, Central NA ⁺ -Angiotensin Synergism	18
	FOLKOW, B., R. R. SONNENSCHNEIN and D. L. WRIGHT, Loci of Vascular Effects	459
	FOLKOW, B., U. HAGLUND, M. JODAL and O. LUNDGREN, Muscle Blood Flow during Exercise	157
	FOLKOW, B., P. BAECKSTRÖM, E. KENDRICK, B. LÖFVING and B. ÖBERG, Vasoconstriction and Blood Viscosity	376
	FREDHOLM, B. B., Lactate Inhibition of FFA-Release	110
	FRISK-HOLMBERG, M. and K. STRANDBERG, Histamine Release by Neuromuscular Blockers	367
	GRANHOLM, L. and B. K. SIESJÖ, Hyperventilation and Brain Metabolism	307
	GREENLEAF, C. J., B. EKBLOM, J. E. GREENLEAF and L. HERMANSEN, Body Temperature during Intermittent Exercise	1
	GREENLEAF, J. E., B. EKBLOM, C. J. GREENLEAF and L. HERMANSEN, Body Temperature during Intermittent Exercise	1
	GRILLNER, S. and M. UDO, The Tonic Stretch Reflex	422
	GRILLNER, S. and M. UDO, The Tonic Stretch Reflex	571

HAGLUND, U., B. FOLKOW, M. JODAL and O. LUNDGREN, Muscle Blood Flow during Exercise	157
HALLBÄCK, M., Y. LUNDGREN and L. WEISS, Vascular Reactivity	176
HANSON, J. and A. PERSSON, Action Potential after Repetitive Stimulation	340
HANSSON, R. and H. THYSELL, Heparin and Diamine Oxidase	208
HELLE, K. B., H. LAGERCRANTZ and L. STJÄRNE, Catecholamine Storage Vesicles	565
HERMANSEN, L., B. EKBLOM, C. J. GREENLEAF and J. E. GREENLEAF, Body Temperature during Intermittent Exercise	1
HULTMAN, E., J. BERGSTRÖM and J. BOËTHIUS, Muscle Electrolytes during Ontogeny	164
HUSMARK, I. and D. OTTOSON, Spindle Adaptation	138
HVIID LARSEN, E., Sodium and Chloride Transport in Toad Skin	254
JANKOWSKA, E. and S. LINDSTRÖM, Morphological Identification of Renshaw Cells	428
JANSEN, J. K. S., A. NJÅ, K. ORMSTAD and L. WALLØE, IPSPs of Slowly Adapting Receptor	273
JANSEN, J. K. S., A. NJÅ, K. ORMSTAD and L. WALLØE, The Autogenetic Accessory Reflex	472
JANSEN, J. K. S., A. NJÅ, K. ORMSTAD and L. WALLØE, Accessory Reflex: Input-Output Relations	484
JÄRHULT, J., Vascular Effects of Angiotensin	315
JODAL, M., B. FOLKOW, U. HAGLUND and O. LUNDGREN, Muscle Blood Flow during Exercise	157
JONSSON, O., Vascular Muscle Ionic Permeability	405
JONSSON, O., Vascular Nonelectrolyte Permeability	528
JONSSON, C.-E. and E. ÄNGGÅRD, Prostaglandins in Lymph	440
KAMPMANN, J. and J. DITZEL, Blood Viscosity in Normal Subjects	264
KARLSSON, J., Pyruvate and Lactate in Muscle	455
KARLSSON, H. and O. WIGERTZ, Ramp Responses to Exercise	215
KENDRICK, E., P. BAECKSTRÖM, B. FOLKOW, B. LÖFVING and B. ÖBERG, Vasoconstriction and Blood Viscosity	376
KIESSLING, A. and K. A. P. EDMAN, Time Course of Active State in Muscle	182
KOZLOWSKI, S., B. RASMUSSEN and W. G. WILKOFF, High Oxygen on Ventilation	385
LAGERCRANTZ, H., K. B. HELLE and L. STJÄRNE, Catecholamine Storage Vesicles	565
LARSEN, J. A., Cooling and Liver Function	197
LARSSON, C., E. ÄNGGÅRD and B. SAMUELSSON, Prostaglandin Metabolism in Swine	396
LINDSTRÖM, S. and E. JANKOWSKA, Morphological Identification of Renshaw Cells	428
LINGJAERDE, O. Jr., Chloride Effects on Serotonin Uptake	75
LISANDER, B. and J. MARTNER, Cerebellar Suppression of the Defence Reaction	84
LÖFVING, B., P. BAECKSTRÖM, B. FOLKOW, E. KENDRICK and B. ÖBERG, Vasoconstriction and Blood Viscosity	376
LÖNNERHOLM, G., Carbonic Anhydrase in Rat Kidney	433
LUNDGREN, O., B. FOLKOW, U. HAGLUND and M. JODAL, Muscle Blood Flow during Exercise	157
LUNDGREN, Y., M. HALLBÄCK and L. WEISS, Vascular Reactivity	176
LUNDHOLM, L., A. BEVIZ and E. MOHME-LUNDHOLM, Cyclic AMP in Brown Adipose Tissue	145
MALMBERG, P., K.-E. ARFORS and G. ARTURSON, Chloralose Anesthesia in Dogs	47
MARTNER, J. and B. LISANDER, Cerebellar Suppression of the Defence Reaction	84
McMURPHY, D. M. and L. O. BORÉUS, Ontogenesis of Cholinergic Receptor	143
MINES, A. H. and S. C. SØRENSEN, CSF H^+ and HCO_3^- in Hypoxia	225
MINES, A. H., C. G. MORRIL and S. C. SØRENSEN, Isocarbic Metabolic Acidosis	234
MOHME-LUNDHOLM, E., A. BEVIZ and L. LUNDHOLM, Cyclic AMP in Brown Adipose Tissue	145
MOHME-LUNDHOLM, E., R. ANDERSSON, N. SVEDMYR and N. VAMOS, Relaxing and Metabolic Actions of ACTH in Rabbit Colon	11

57	MOLLER, A. R., Unit Responses in Rat Cochlear Nucleus	540
76	MORRIL, C. G., A. H. MINES and S. C. SØRENSEN, Isocarbic Metabolic Acidosis	234
40	NICOLAYSEN, G., CA ⁺⁺ and MG ⁺⁺ and Capillary Permeability	325
08	NICOLAYSEN, G., CA ⁺⁺ and Capillary Filtration Rate	517
65	NICOLAYSEN, G., P. AARSETH and B. A. WAALER, Nerve Stimulation and Lung Blood Volume	448
1	NILSSON, G. and S. J. RUNE, P _{CO₂} and Gastric Secretion	349
64	NILSSON, L. and B. K. SIESJÖ, Halothane Hypotension and Brain Metabolism	508
38	NJÅ, A., J. K. S. JANSEN, K. ORMSTAD and L. WALLØE, IPSPs of Slowly Adapting Receptor	273
54	NJÅ, A., J. K. S. JANSEN, K. ORMSTAD and L. WALLØE, The Autogenetic Accessory Reflex	472
28	NJÅ, A., J. K. S. JANSEN, K. ORMSTAD and L. WALLØE, Accessory Reflex: Input-Output Relations	484
273	ÖBERG, B., P. BAECKSTRÖM, B. FOLKOW, E. KENDRICK and B. LÖFVING, Vasoconstriction and Blood Viscosity	376
472	ÖBERG, P. A. and U. SJÖSTRAND, Arterial Blood Pressure Regulation	96
484	ÖHLSSON, K., Elimination of Trypsin α -Macroglobulin Complexes	269
315	ORMSTAD, K., J. K. S. JANSEN, A. NJÅ and L. WALLØE, IPSPs of Slowly Adapting Receptor	273
157	ORMSTAD, K., J. K. S. JANSEN, A. NJÅ and L. WALLØE, The Autogenetic Accessory Reflex	472
405	ORMSTAD, K., J. K. S. JANSEN, A. NJÅ and L. WALLØE, Accessory Reflex: Input-Output Relations	484
528	OTTOSON, D. and I. HUSMARK, Spindle Adaptation	138
440	PÁTKAI, P., Diurnal Rhythm of Adrenaline Secretion	30
264	PÁTKAI, P., Performance and Adrenaline Rhythm	35
455	PERSSON, A. and J. HANSON, Action Potential after Repetitive Stimulation	340
215	RASMUSSEN, B., S. KOZŁOWSKI and W. G. WILKOFF, High Oxygen on Ventilation	385
376	REDFERN, P. and S. THESLEFF, Action Potentials in Denervated Muscle	557
182	RONQUIST, G. and G. ÅGREN, ATP Synthesis in Tumour Cells	431
385	ROSELL, S., K. BALLARD and C. A. COBB, Lipolysis in Adipose Tissue	246
565	RUNE, S. J. and G. NILSSON, P _{CO₂} and Gastric Secretion	349
197	SALTIN, B., J. C. COSTIN, N. S. SKINNER, Jr., and G. VASTAGH, Carbohydrate Metabolism in Dog Muscle	124
396	SAMUELSSON, B., E. ÅNGGÅRD and C. LARSSON, Prostaglandin Metabolism in Swine	396
428	SIESJÖ, B. K. and L. GRANHOLM, Hyperventilation and Brain Metabolism	307
75	SIESJÖ, B. K. and L. NILSSON, Halothane Hypotension and Brain Metabolism	508
84	SJÖSTRAND, U. and P. A. ÖBERG, Arterial Blood Pressure Regulation	96
376	SKINNER, N. S. Jr., J. C. COSTIN, B. SALTIN and G. VASTAGH, Carbohydrate Metabolism in Dog Muscle	124
433	SMITH, P. G., Electrical Impedance of Frog Skin	355
157	SONNENSCHN, R. R., B. FOLKOW and D. L. WRIGHT, Loci of Vascular Effects	459
176	SØRENSEN, S. C. and A. H. MINES, CFS H ⁺ and HCO ₃ ⁻ in Hypoxia	225
e	SØRENSEN, S. C., A. H. MINES and C. G. MORRIL, Isocarbic Metabolic Acidosis	234
145	STJÄRNE, L. and Å. WENNEMALM, Reuptake of Transmitter	286
47	STJÄRNE, L., K. B. HELLE and H. LAGERCRANTZ, Catecholamine Storage Vesicles	565
84	STRANDBERG, K. and M. FRISK-HOLMBERG, Histamine Release by Neuromuscular Blockers	367
143	SWEDIN, G., Biphasic Contraction of Vas Deferens	574
225	SVEDMYR, N., R. ANDERSSON, E. MOHME-LUNDHOLM and N. VAMOS, Relaxing and Metabolic Actions of ACTH in Rabbit Colon	11
234	THESELEFF, S. and P. REDFERN, Action Potentials in Denervated Muscle	557
e 145		
11		

THYSELL, H. and R. HANSSON, Heparin and Diamine Oxidase	208
UDO, M. and S. GRILLNER, The Tonic Stretch Reflex	422
UDO, M. and S. GRILLNER, The Tonic Stretch Reflex	571
UVNÄS, B. and C.-H. ÅBORG, Amine Binding Complex	568
WAALER, B. A., P. AARSETH and G. NICOLAYSEN, Nerve Stimulation and Lung Blood Volume	448
WALLOE, L., J. K. S. JANSEN, A. NjÅ and K. ORMSTAD, IPSPs of Slowly Adapting Recep- tor	273
WALLOE, L., J. K. S. JANSEN, A. NjÅ and K. ORMSTAD, The Autogenetic Accessory Reflex	472
WALLOE, L., J. K. S. JANSEN, A. NjÅ and K. ORMSTAD, Accessory Reflex: Input-Output Relations	484
VAMOS, N., R. ANDERSSON, E. MOHME-LUNDHOLM and N. SVEDMYR, Relaxing and Meta- bolic Actions of ACTH in Rabbit Colon	11
VASTAGH, G., J. C. COSTIN, B. SALTIN and N. S. SKINNER, JR., Carbohydrate Metabolism in Dog Muscle	124
WEISS, L., M. HALLBÄCK and Y. LUNDGREN, Vascular Reactivity	176
WENNEMALM, A. and L. STJÄRNE, Reuptake of Transmitter	286
WIGERTZ, O. and S. BROMAN, Ventilation and Heart-Rate Transients	54
WIGERTZ, O. and H. KARLSSON, Ramp Responses to Exercise	215
WILKOFF, W. G., S. KOZLOWSKI and B. RASMUSSEN, High Oxygen on Ventilation	385
WRIGHT, D. L., B. FOLKOW and R.R. SONNENSCHN, Loci of Vascular Effects	459
ZEUTHEN, T., Microelectrode Filling	141

208
422
571
568

448

273
472

484

11

124

176

286

54

215

385

459

141